Fluence Energy GmbH
Schallershofer Str. 143 | 91056 Erlangen, Germany
fluenceenergy.com

Inverter Engineer (m/f/d)

Location: Erlangen, Germany or Flexible

ABOUT FLUENCE

Fluence, a Siemens and AES company, is the global market leader in energy storage technology solutions and services, combining the agility of a technology company with the expertise, vision and financial backing of two well-established and respected industry giants. Building on the pioneering work of AES Energy Storage and Siemens energy storage, our goal is to create a more sustainable future by transforming the way we power our world. Providing design, delivery and integration, Fluence offers proven energy storage technology solutions that address the diverse needs and challenges of customers in a rapidly transforming energy landscape.

Fluence currently has more than 2.4 gigawatts of projects in operation or awarded across 24 countries and territories worldwide. We topped the Navigant Research utility-scale energy storage leaderboard in 2020 and were named one of Fast Company's Most Innovative Companies in 2019. In 2020, our sixth-generation Tech Stack won Commercial Technology of the Year at the 22nd annual S&P Global Platts Global Energy Awards.

Leading

Do others come to you for your subject matter expertise? Are you excited by the challenge of working in a start-up atmosphere with a purpose?

Fluence is looking for an Inverter Engineer with experience developing and testing power conversion systems for energy storage or other grid applications. The role will be responsible for working with inverter suppliers to integrate new inverter and DC/DC converter platforms into Fluence's battery energy storage systems. A strong understanding of inverter operation and functionality is required.

As a member of the cross-functional Inverter Center of Excellence team, the Inverter Engineer is directly involved in the evaluation of requirements and capabilities, testing power conversion systems and preparing technical documentation, consulting stakeholders within the company, and interfacing with the suppliers.

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Responsible

Fluence is defined by its unwavering commitment to safety, quality, and integrity. We take personal ownership in what we do, developing trust in our relationships with internal and external stakeholders. We firmly believe in having honest, forthcoming, and fair communications.

The Inverter Engineer will be directly involved in the product development engineering of utility scale energy storage solutions, including:

- Determine detailed technical requirements for inverters while participating in an Agile product development process
- Review inverter technical documentation to determine compliance with requirements and evaluate technical characteristics
- Verify inverter functionality and performance characteristics by testing at Fluence's own testing facilities and or supplier facilities
- Develop deep understanding of inverter operations and provide guidance to the Product teams on inverter integration into the Fluence products
- Work with major power converter system suppliers on modifications or improvements to their products to ensure optimal integration with Fluence system design
- Develop tests, optimize standard test procedures and perform product testing, including involvement in hands on lab testing during evaluations of prototype systems
- Analyze operational and test data to troubleshoot and resolve system problems
- Work with field engineers for rapid solutions to problems as they arise
- Write technical specifications for equipment procurement and/or technical annexes to contract documents
- Collect and provide the required documentation for internal stakeholders to allow for standardized offering and deployment of Fluence products comprising inverters

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Agile

Here at Fluence, we strive to continuously improve, be intellectually curious and be adaptive to our customers and employee's needs. Collaboration is key, both in our partnerships with our customers, and with each other. Fluence prioritizes the most critical efforts that allow for the greatest impact.

- The ideal candidate will have a minimum of an undergraduate degree and 4-10 years of work experience in development of power conversion systems for grid applications.
- Familiarity with DC/AC or DC/DC converter operation; some experience designing or modeling control systems for inverters is a plus
- Knowledge of related safety and test standards, such as UL, IEC, ISO standards; knowledge of utility grid interconnection standards and regional grid codes is a plus
- Familiarity with utility scale systems design, control, and monitoring
- Hands on experience testing power converter equipment in a lab environment, affinity to thorough test documentation
- Knowledge of or history working with major component suppliers in the solar or battery storage industry, such as inverters, PV panels, or lithium ion batteries
- Experience qualifying products to product standards with NRTLs (i.e. UL, Intertek, CSA, TUV) is a plus
- Familiarity with Agile methods is a plus
- Excellent English verbal and writing skills, additional languages or international work experience is a plus
- Willing and able to travel, domestically and internationally, approximately 10% of the time

Fun

Working on transforming a fundamental part of our society is exciting and fulfilling. It requires creativity, diversity of ideas and backgrounds, and building trust to effect change and move with speed. We respect our coworkers and customers. We listen to what others have to say, and we are inclusive.

Fluence's product management team is energized by the mission to change the way we power our world and the opportunity to define and shape the products that fulfill this

mission. We work every day knowing what we do makes a difference- both for Fluence and for society.

GET IN TOUCH

Please send your resume and cover letter to careersgermany@fluenceenergy.com.

Fluence IS AN EQUAL OPPORTUNITY EMPLOYER and fully subscribes to the principles of Equal Employment Opportunity to ensure that all applicants and employees are considered for hire, promotion, and job status without regard to race, color, religion, sex, national origin, age, disability, veteran status, sexual orientation, marital or familial status.